**eni Ribes**

**eni Ribes** are “food grade” high performance fluids specially developed for the lubrication of gears, to meet the stringent requirements of food and pharmaceutical industries. **eni Ribes** are based on a synthetic base (PAO), white pharmaceutical oil and fortified with a special combination of antiwear, anticorrosive and EP additives.

**Characteristics (typical figures):**

<table>
<thead>
<tr>
<th>eni Ribes</th>
<th>Unit</th>
<th>150</th>
<th>220</th>
<th>320</th>
<th>460</th>
<th>680</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kin. Viscosity at 40°C</td>
<td>mm²/s</td>
<td>146,5</td>
<td>219,5</td>
<td>329,7</td>
<td>458,7</td>
<td>688,67</td>
</tr>
<tr>
<td>at 100°C</td>
<td>mm²/s</td>
<td>18,1</td>
<td>23,8</td>
<td>33,5</td>
<td>42,57</td>
<td>56,46</td>
</tr>
<tr>
<td>Viscosity index</td>
<td>141</td>
<td>135</td>
<td>143</td>
<td>144</td>
<td>144</td>
<td></td>
</tr>
<tr>
<td>Density at 15°C</td>
<td>kg/m³</td>
<td>870</td>
<td>870</td>
<td>870</td>
<td>868</td>
<td>866</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>°C</td>
<td>230</td>
<td>235</td>
<td>240</td>
<td>240</td>
<td>240</td>
</tr>
<tr>
<td>Pourpoint</td>
<td>°C</td>
<td>-18</td>
<td>-22</td>
<td>-25</td>
<td>-25</td>
<td>-25</td>
</tr>
<tr>
<td>Appearance</td>
<td></td>
<td>colourless</td>
<td>colourless</td>
<td>colourless</td>
<td>colourless</td>
<td>colourless</td>
</tr>
</tbody>
</table>

**Properties and Performance:**

**eni Ribes** are **NSF H1 approved** and **registered** lubricants recommended for use where an incidental contact with food can occur. The use of **NSF H1** registered lubricants is the most effective solution to meet the request of the **HACCP** (Hazard Analysis and Critical Control Point) System.

**eni Ribes** are formulated exclusively with additives listed in the **FDA Group 21 CFR 178.3570** and they are free of:
- genetically modified materials
- main allergens substances like nut oil, soya oil, dairy industry derivatives
- animal derived materials

**eni Ribes** have the following properties and characteristics:
- excellent performance in applications working under zero degree or where high temperature are present
- outstanding anti-oxidant and antirust properties
- good cold behaviour
- extended relubrication intervals
- compatible with joints
- odourless, colourless and insipid

**eni Ribes** have outstanding antiwear and EP properties, as demonstrated by the following tests:
- FZG: pass the 12th stage level
- 4 Ball Wear: for ISO VG > 150: < 0,32 mm
eni Ribes

Applications:

eni Ribes are recommended for the lubrication of gearboxes, plain and roller bearings with high loads in the food processing industries. eni Ribes 150 to 320 oils are also suitable for the lubrication of slideways and conveyor belts.

Specifications:

eni Ribes are NSF H1 registered and the package reports the NSF symbol and registration number:

- eni Ribes 150: 151337
- eni Ribes 220: 151338
- eni Ribes 320: 151339
- eni Ribes 460: 151340

eni Ribes are “Kosher” and “Halal” certified.

eni Ribes meet the requirements of the following classifications/specifications:

- ISO 6743/6 CKD
- DIN 51517-3 CLP

eni Ribes are produced in a plant certified ISO 21469.

ATTENTION:

All „food grade“ lubricants should be stored from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0°C and +40°C.